

# The Deltagram

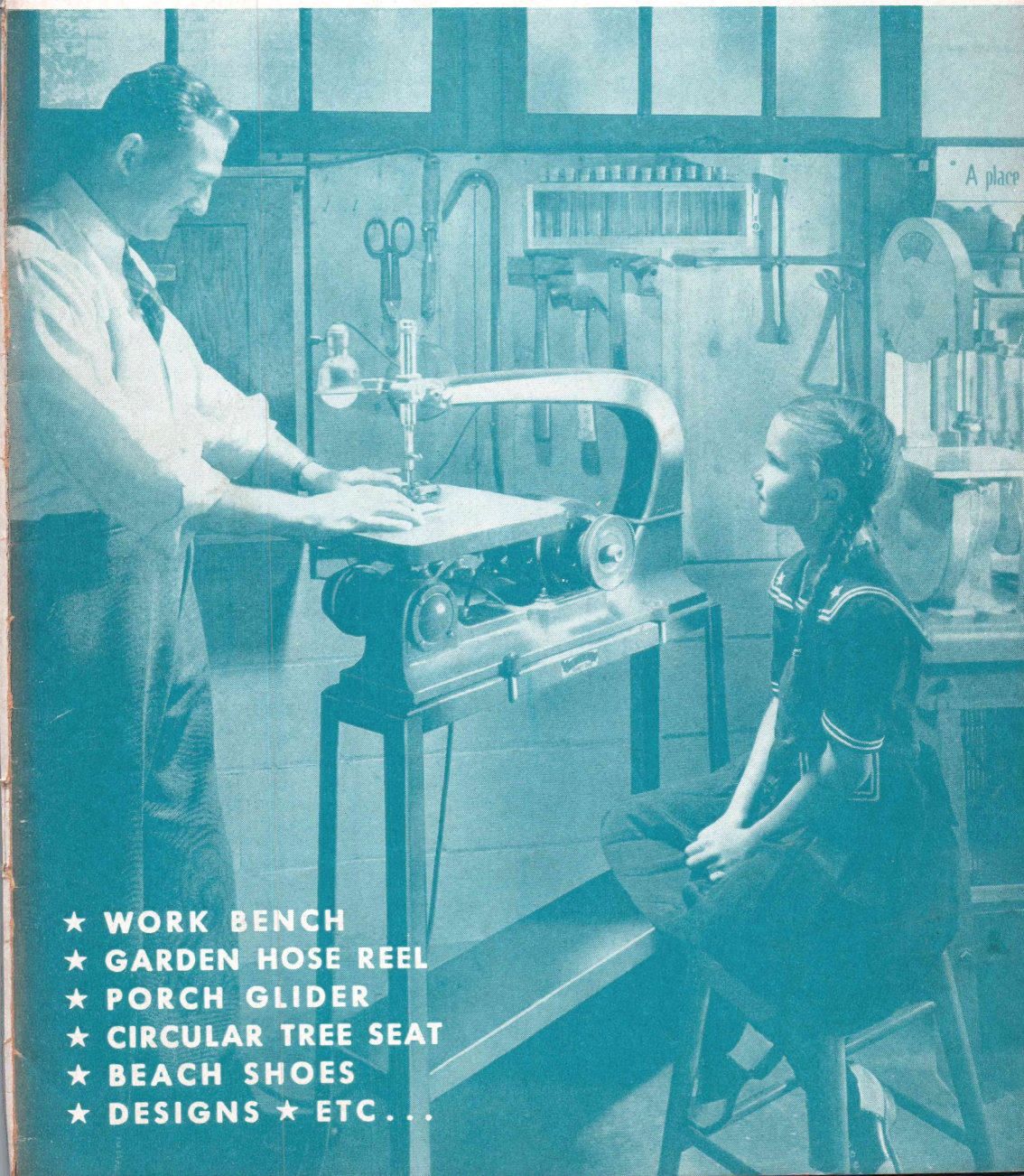
TRADE MARK REG. U. S. PAT. OFF.



VOLUME FIFTEEN

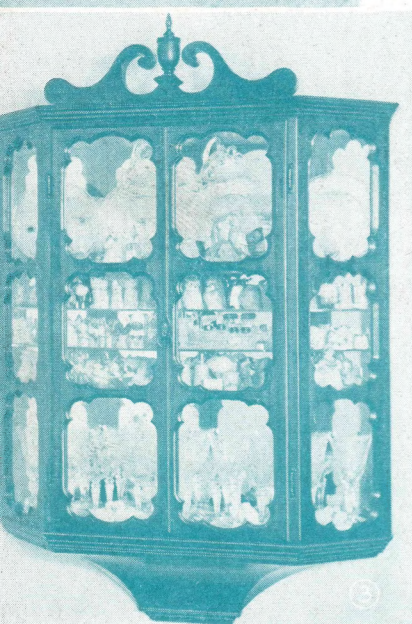
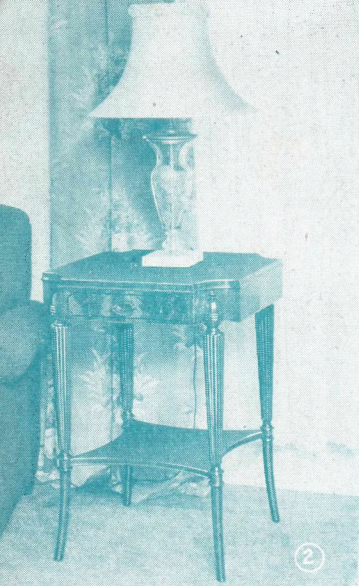
*Issue No. 5*

PRICE TEN CENTS



- ★ WORK BENCH
- ★ GARDEN HOSE REEL
- ★ PORCH GLIDER
- ★ CIRCULAR TREE SEAT
- ★ BEACH SHOES
- ★ DESIGNS ★ ETC...

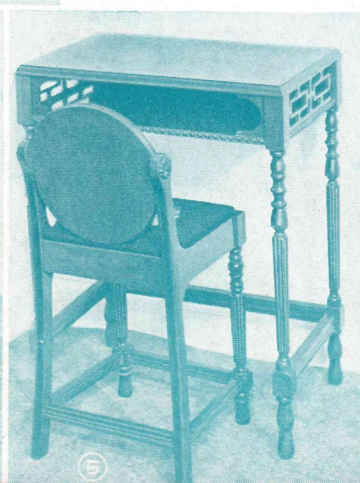
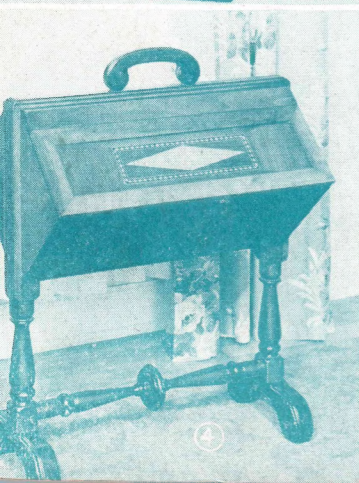




## *With* **Delta Crafters**

☆ THE photographs on this page show the expert craftsmanship of Mr. W. E. Trimmer of South Bend, Indiana. Mr. Trimmer built the lamp table shown in Photograph 2 from the first of the Stylecraft Furniture Plans. He informs the editors that the design is excellent and that it afforded him a great deal of pleasure to build the table. The designs shown in Photos 3, 5, and 6 are Mr. Trimmer's.

We are always interested in seeing photographs of the projects which you homecrafters build in your own shops. How about sending photos of your prize projects along to the editors of this magazine.





# The Deltagram

TRADE MARK REG. U. S. PAT. OFF.

## ★ A MAGAZINE FOR CRAFTSMEN

★ PUBLISHED BY THE DELTA MANUFACTURING COMPANY, MILWAUKEE, WISC. SOLD ONLY BY SUBSCRIPTION - 50¢ THE YEAR.

★ E. G. HAMILTON - MANAGING EDITOR

A. M. WARKASKE - TECH. EDITOR

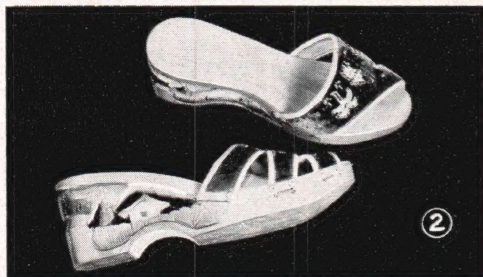
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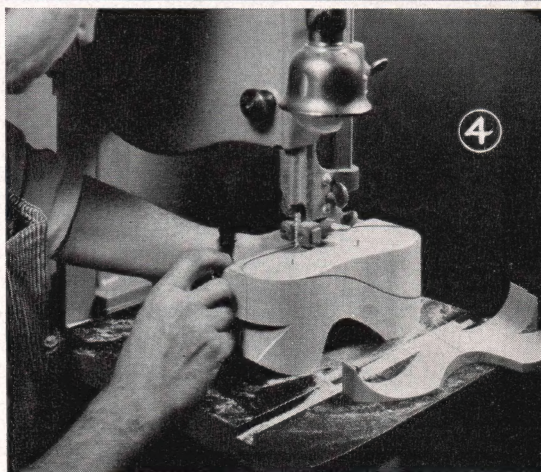
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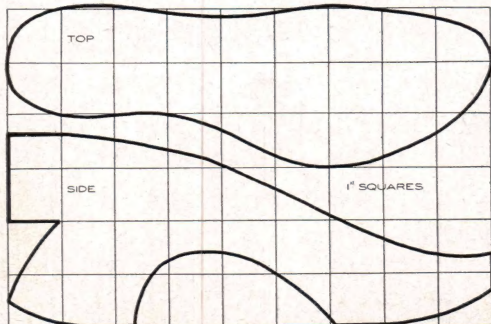


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## BEACH SHOES

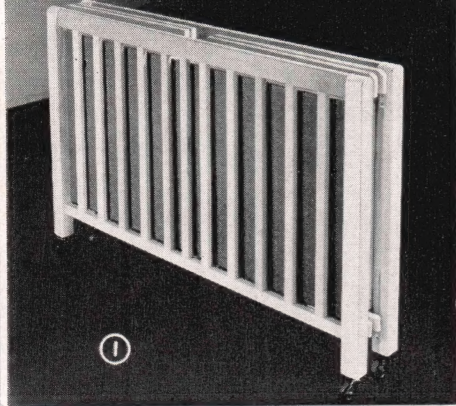
☆ HERE are four designs of beach shoes which you can make in your workshop.

The pair shown in Photograph 3 was band-sawed from the squared pattern shown below. As you can see from the photos, various patterns may be developed by making cut-out portions as shown in Photograph 2 or by simple relief carvings as shown in Photograph 5. Paint the carvings in bright colors.

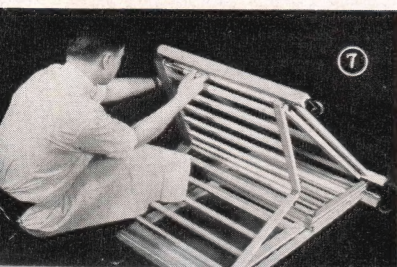
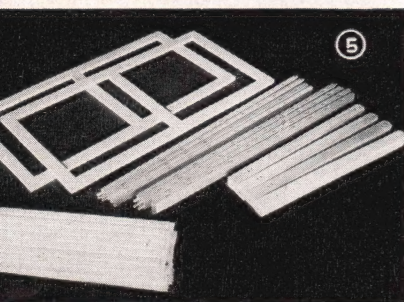


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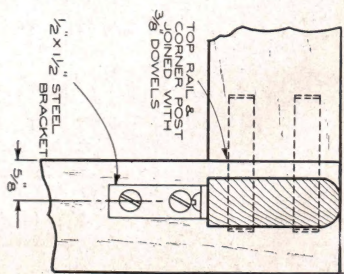
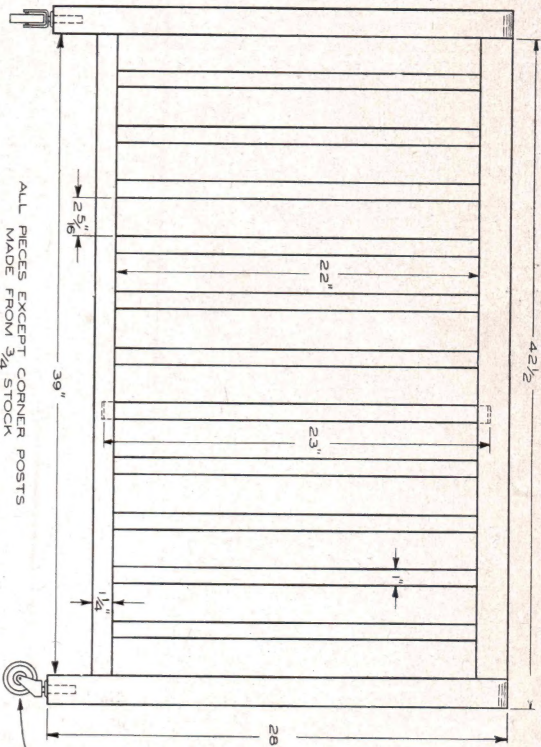
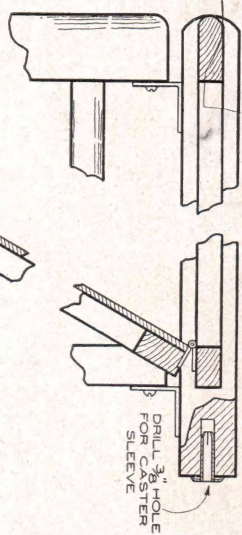
Photographs 1, 2 and 4 show the play pen in the folded and open positions. As seen in Photo 1 the pen may be folded flat after which it takes up a very limited amount of space for storage. By dropping the floor to the open position the play pen is locked so that it cannot fold up while it is occupied.



## Play Pen

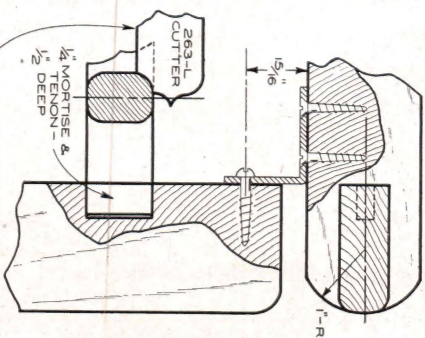
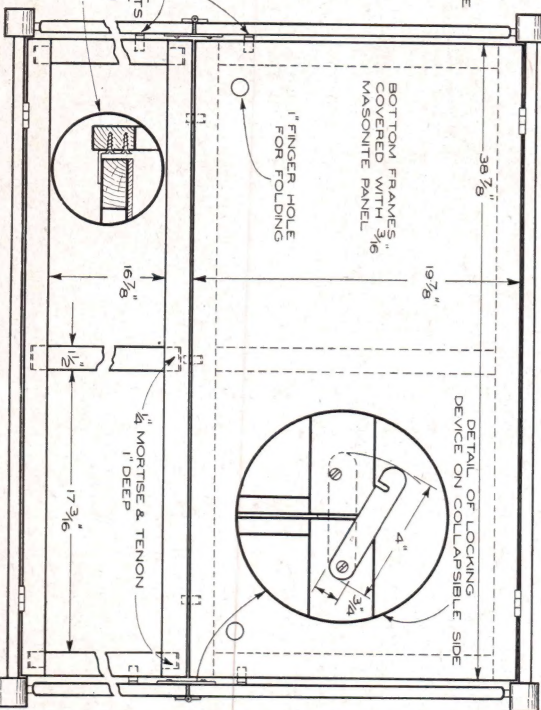
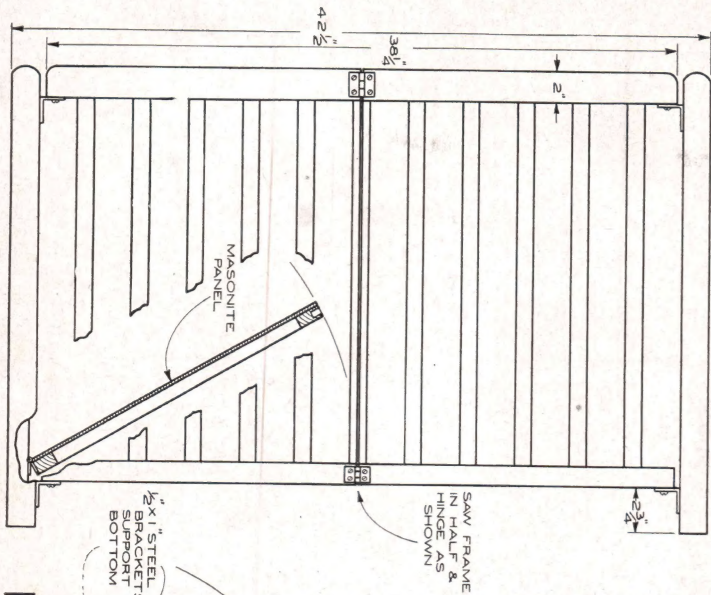
☆ HERE is a practical project for any home with small children. The play pen is shown in its folded position in Photograph 1. Photograph 2 shows the pen being unfolded. The floor, which is in two parts, is folded upward against the side frames and then these sides are telescoped together as seen in the photograph. Photo 4 shows the play pen entirely open. The end frames are made in one piece and then sawed apart as shown in Photo 6, after which the two parts are hinged together. (See Photo 7.) The drawing on the following page gives all of the details of hinging and the necessary dimensions. The floor is made of pressed wood mounted on a wooden frame and hinged to the sides as shown in the drawing.





ALL PIECES EXCEPT CORNER POSTS  
MADE FROM 3/4" STOCK

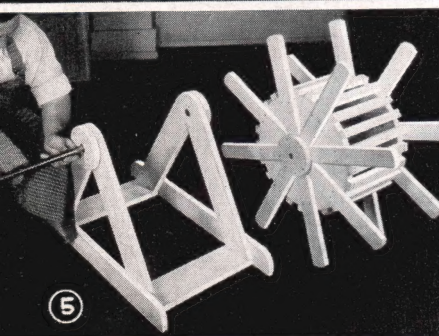
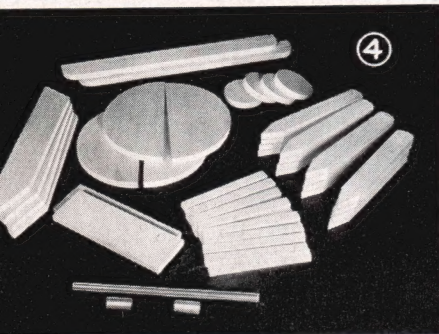
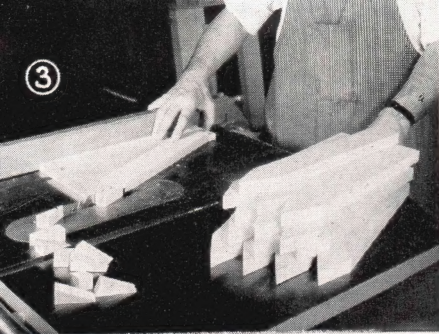
STANDARD 2" CASTER



CORNER POSTS MADE  
FROM 1 3/4" SQUARE STOCK

ALL CURVED EDGES EXCEPT  
TOPS OF CORNER POSTS  
MADE WITH 263-L CUTTER

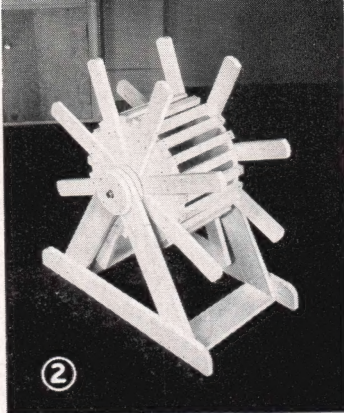




Photograph 3 shows the simple jig used to cut the wedge-shaped ends on the wheel spokes. The jig is cut from  $\frac{3}{4}$ " material and is fed through the saw with the fence as a guide.

Photo 4 shows the various parts necessary to build the garden hose reel shown in Photos 1 and 2.

Photo 5 shows the reel and the frame which supports the turning member. The axle is either a  $\frac{3}{4}$ " bar or pipe. One short piece of pipe is inserted in each side of the frame to act as a bearing for the  $\frac{3}{4}$ " axle.



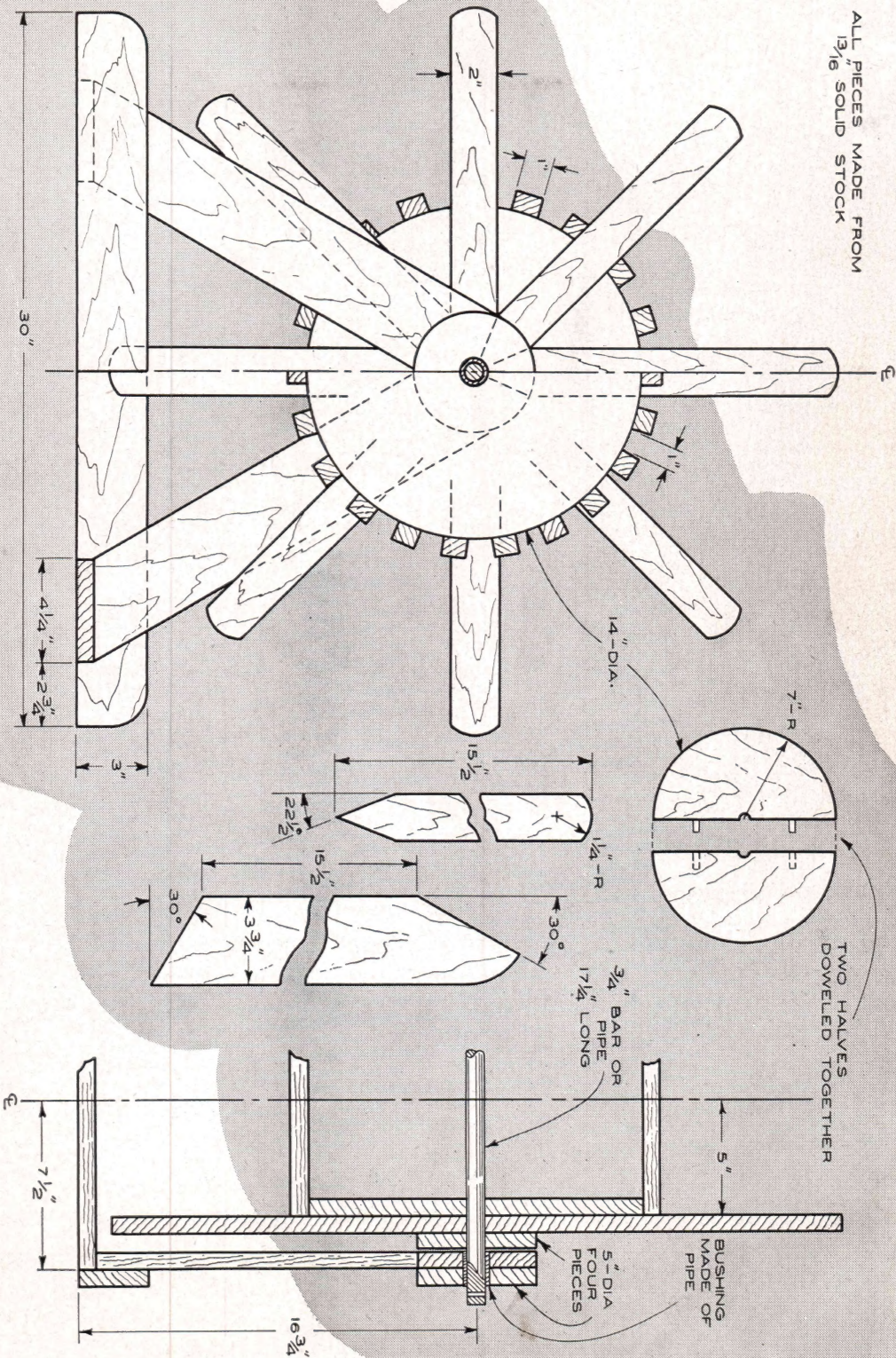
## *Build this Handy* **GARDEN HOSE REEL**

☆ HERE is a simple reel for your garden hose which will enable you to use and store your garden hose and keep it in the best of condition. A garden hose often becomes cracked and leaky if it is not handled correctly.

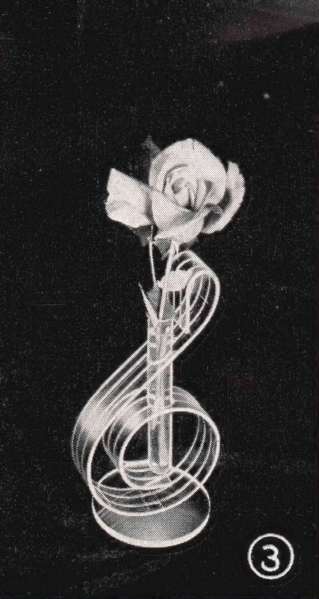
The reel shown may be built from any scrap stock such as ordinary pine. The various parts necessary in its construction are shown in Photo 4. The spokes which form the side wheels are all cut exactly alike by means of the simple jig shown in Photo 3. The jig consists of a piece of  $\frac{3}{4}$ " lumber with a saw-cut notch into which the short pieces fit so that the ends may be cut to the correct angle. The jig rides against the fence. The frame into which the reel fits may be moved about as shown in Photo 1 or it may be fastened permanently to a wall inside the garage near the door. The axle for the reel may be either a  $\frac{3}{4}$ " bar or pipe. If it is to be used outside the reel should be painted with one or two coats of outside paint.



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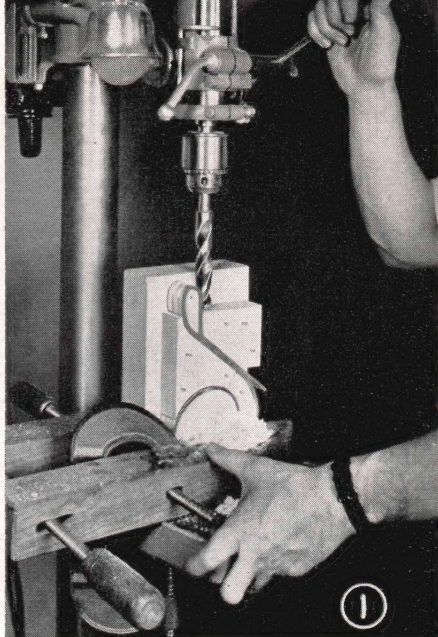




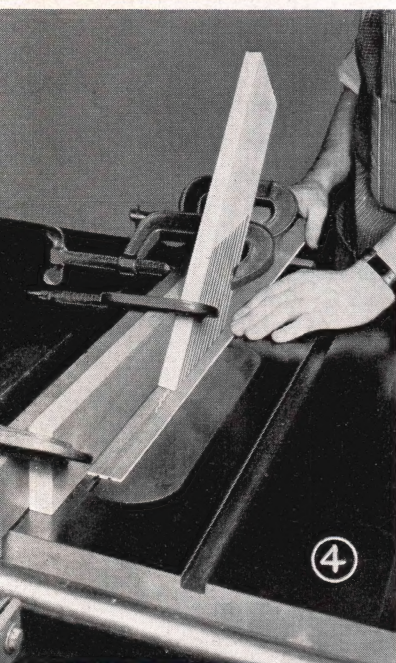
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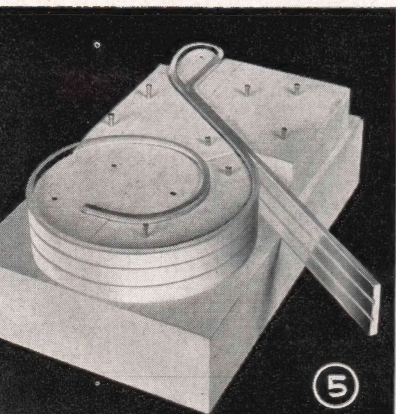
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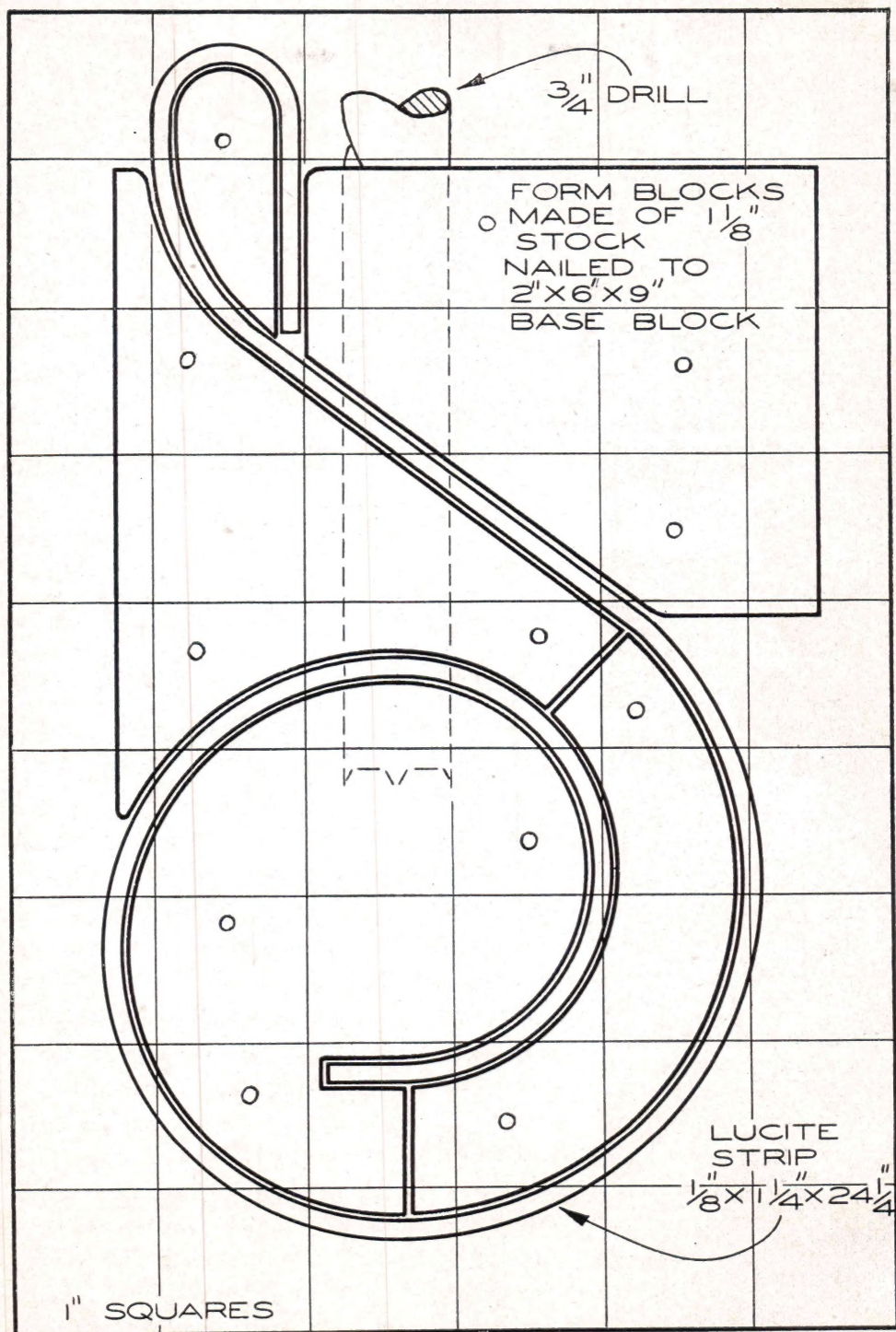


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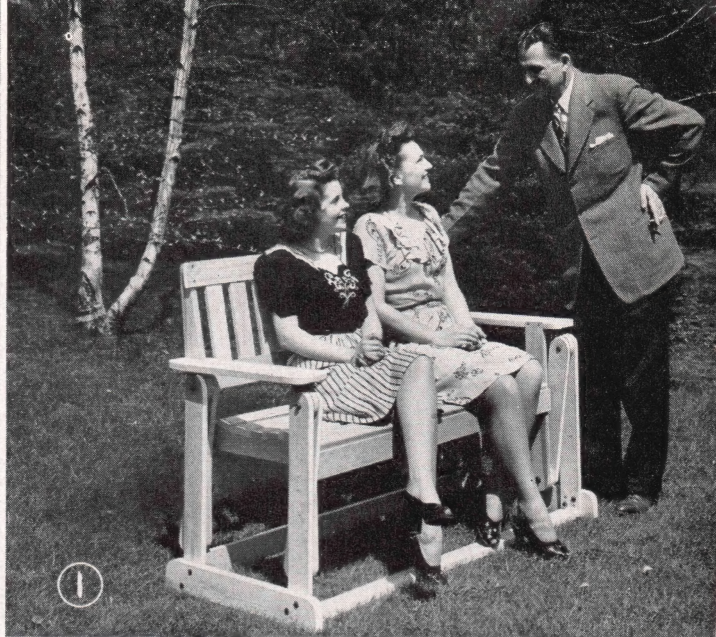
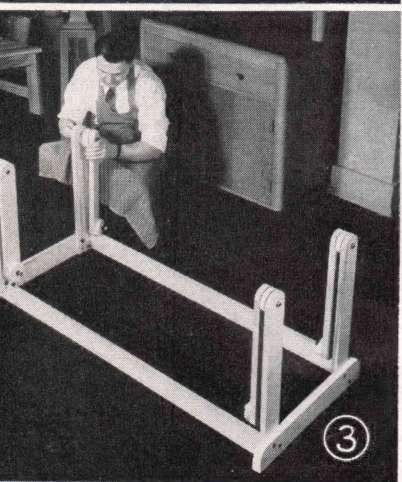
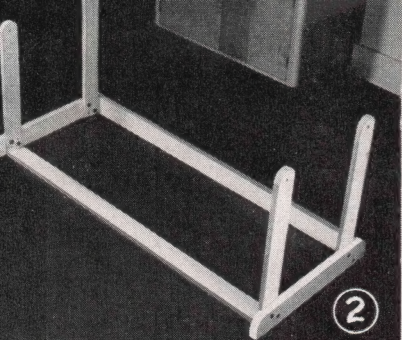
# Plastic BUD VASE

☆ THE first step in making the bud vase shown in Photos 2 and 3 is to cut the bending form shown in the drawing on the following page. These form blocks are band-sawed from 1½" stock and mounted on a base block as shown in the drawing and Photo 5. The plastic strip which forms the main part of the vase is first grooved on the circular saw as shown in Photo 4. A holddown strip is clamped to the saw fence as shown and the plastic strip is run through to make the two grooves as shown in the photographs. This strip is then heated and placed in the form and allowed to cool. While the plastic is still in the form a ¼" hole is drilled for the test tube as shown in the drawing in Photo 1. The strip is then removed from the form and the base is glued on with plastic glue. The base is a circular piece of ¼" plastic 5 inches in diameter.

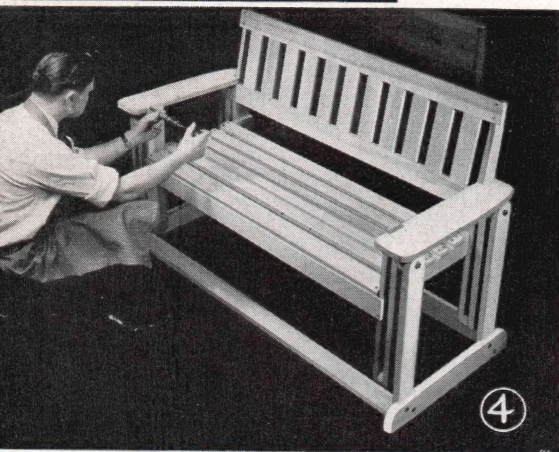






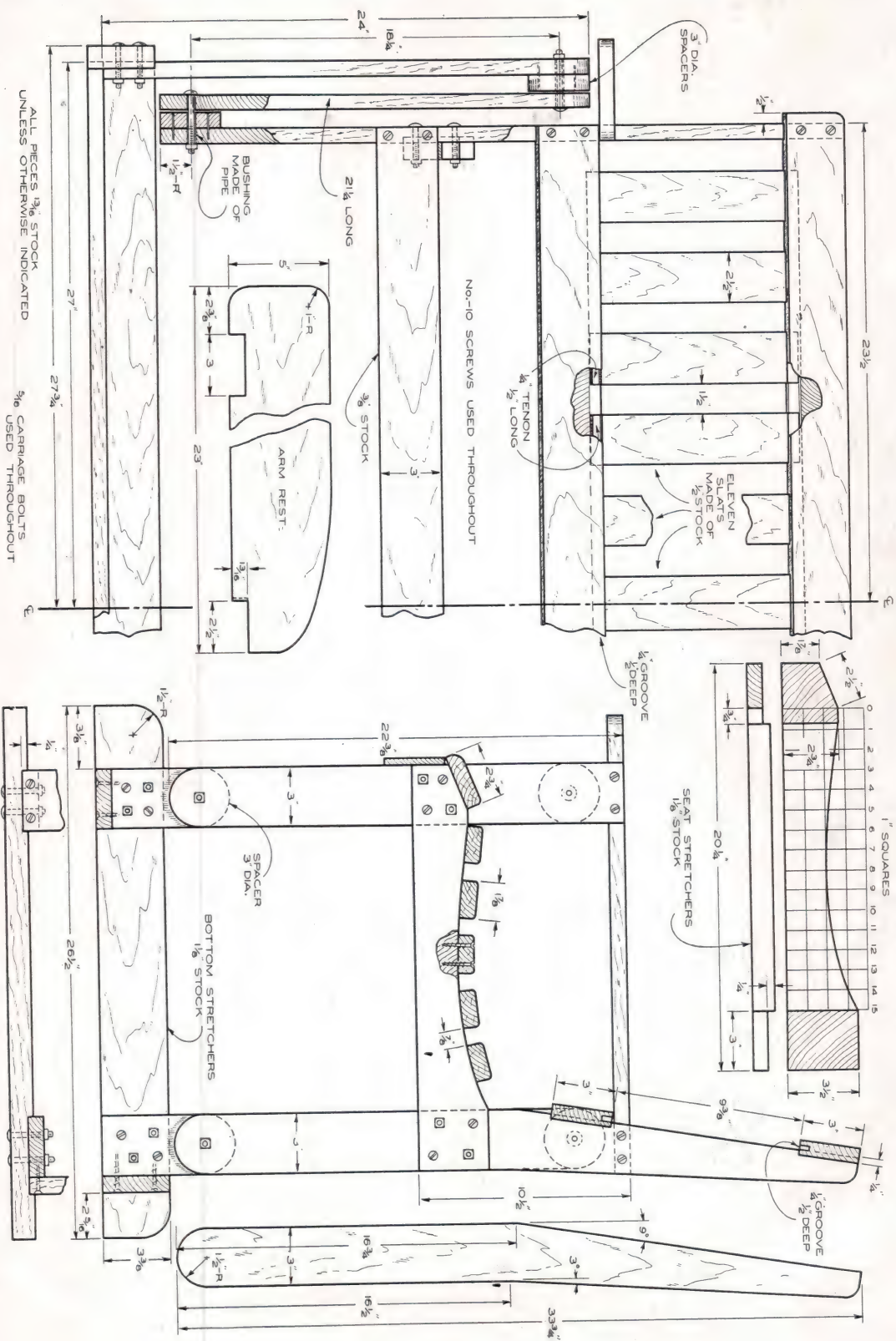


## PORCH or LAWN GLIDER

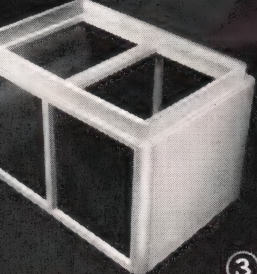


☆ THE glider as shown in the photos on this page should be made from hardwood lumber such as maple or birch. The supporting frame is built up first as shown in Photo 2. The swinging arms are then made and bushings made of pipe as shown in the drawing are inserted before the bolts are fastened in place. The seat itself is next built up as shown in the drawing and the unit is assembled as shown in Photos 4 and 5. The drawing on the following page shows all of the necessary dimensions and construction details for building. The supporting frame and the main seat frame are fastened together with carriage bolts, the remainder of the assembly being made with flat-head wood screws. The whole unit should be finished with two coats of boiled oil followed by several coats of outside paint. The finished project will be a welcome addition to your porch or lawn.

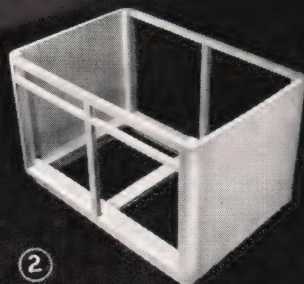




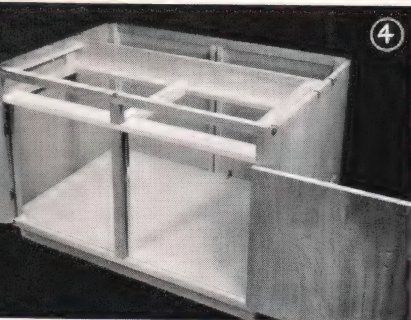




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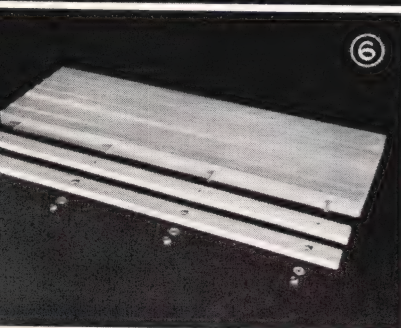
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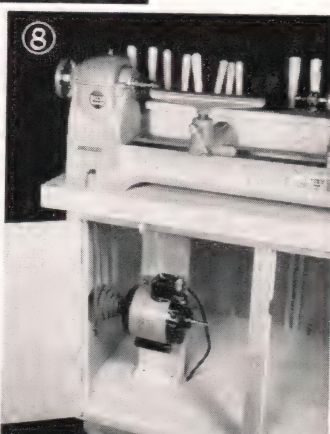
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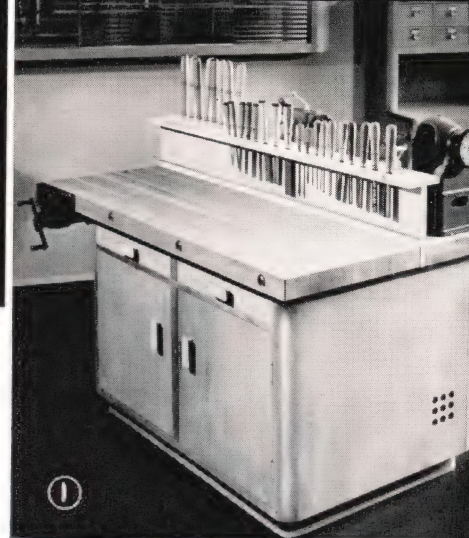
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## COMBINATION WORK BENCH & LATHE STAND

THE work bench design shown here is an answer to your many requests for such a combination bench. The construction details and dimensions are all included in the drawing on the following page. The photos on this page show the various steps in building and assembling the work bench. If you will notice from the photos, the two drawers on the work bench side extend only as far as the tool rack at the back of the work bench. The lathe side contains doors only so that the motor and belt may be mounted as shown in Photo 8. The bench top is built up of hardwood strips bolted together as shown in Photo 6. (Also see drawing.)



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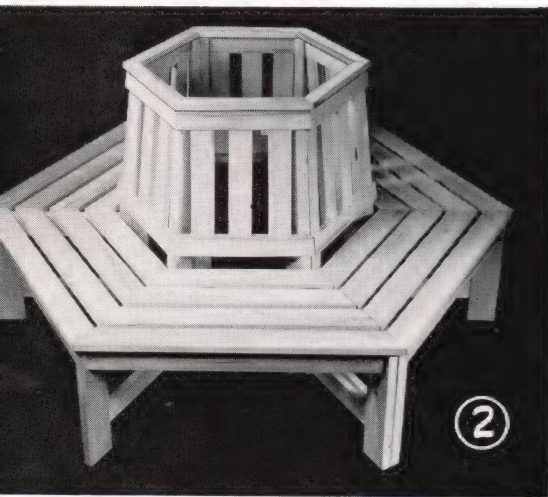


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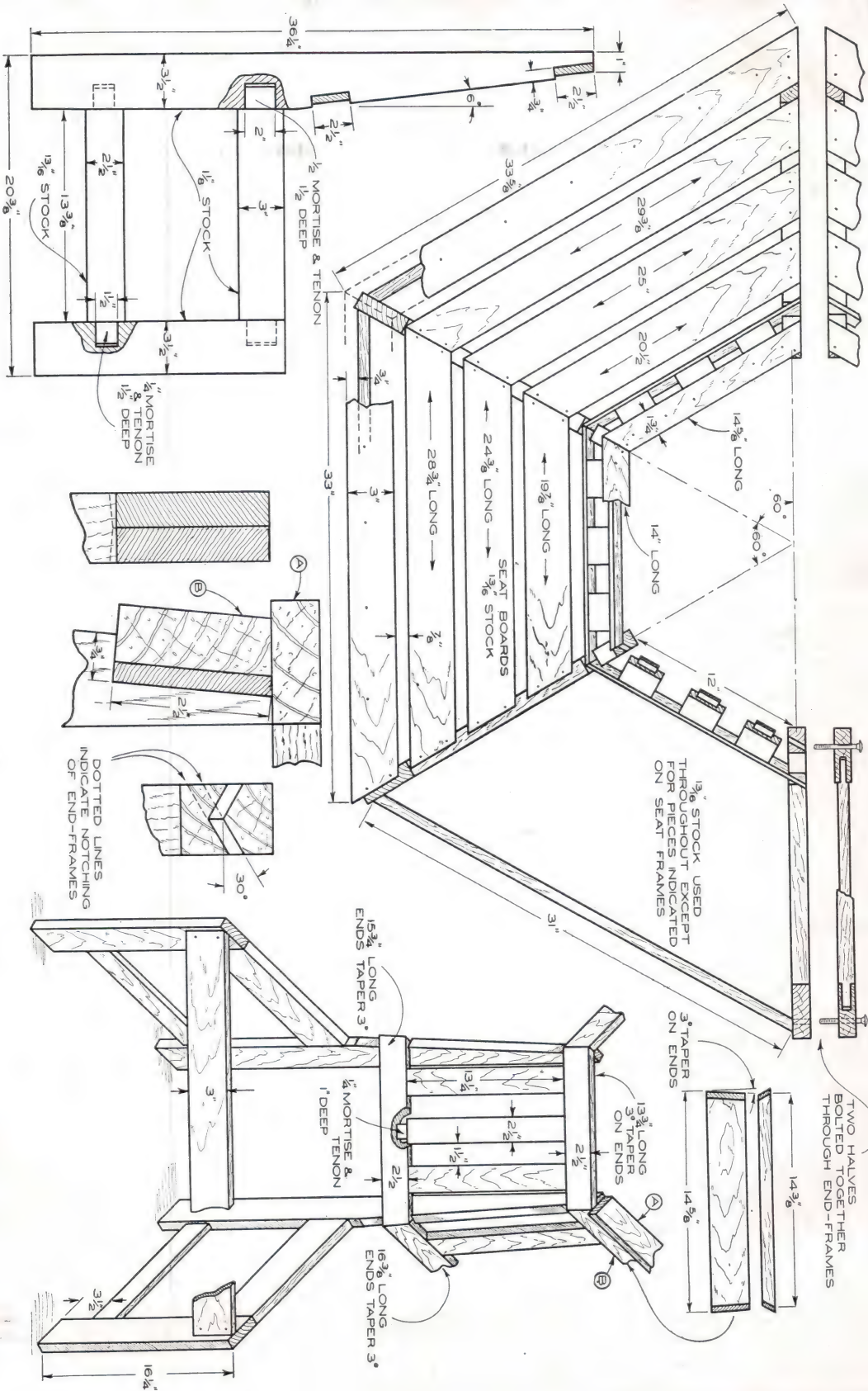


## *Circular* **TREE SEAT**

☆ HERE is a popular addition to your lawn or garden that can be built of either pine or hardwood, depending on what you have on hand. The seat, as shown, is made in two sections (See Photo 3) so that it may be taken apart and stored in the garage or basement during the winter months of the year. The two unit halves are identical in construction as seen in the drawing, and are merely

bolted together with carriage bolts and wing nuts. The details of construction and all of the necessary dimensions are included in the drawing on the following page. Each unit is assembled with nails and waterproof glue. The finish for outside use should be the same as described in the porch glider — that is, with boiled oil and outside paint.

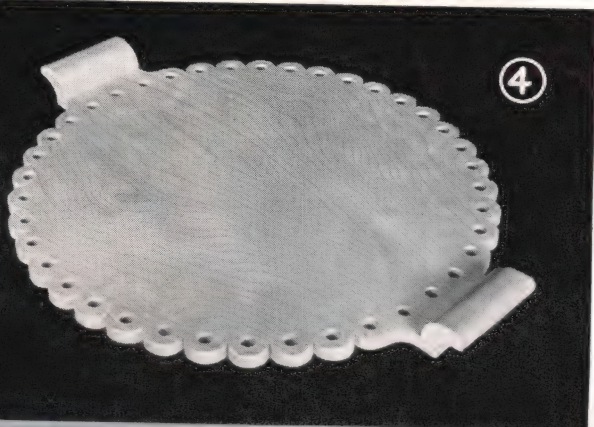
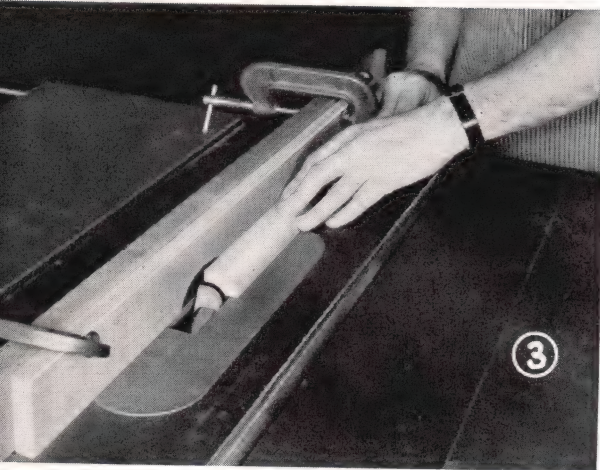






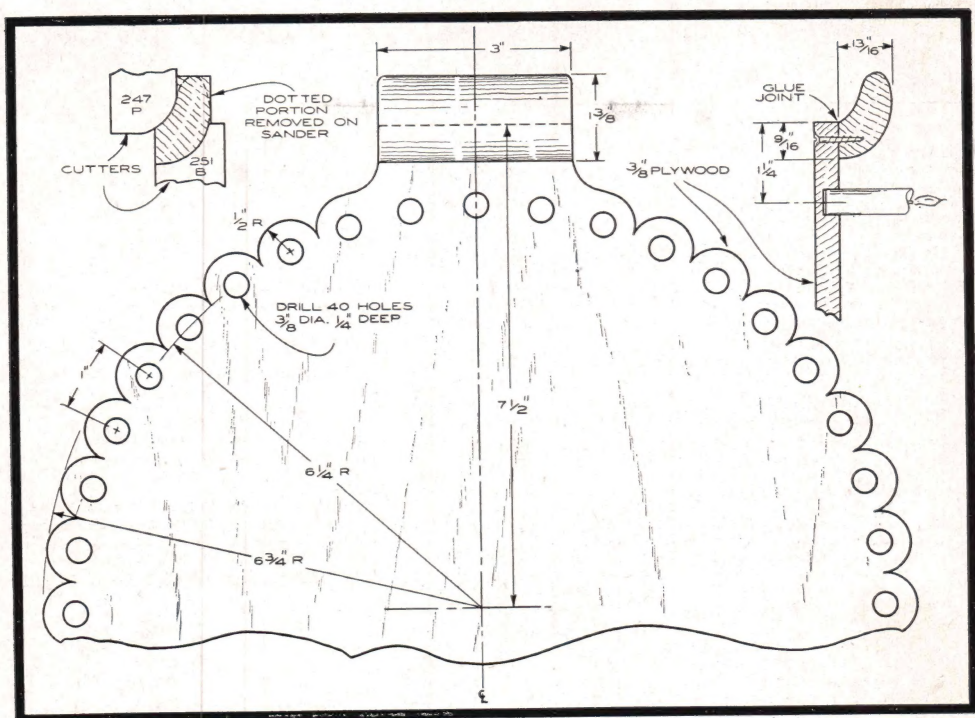


## *Birthday* **CAKE TRAY**



☆ HERE is a handy tray which will hold your birthday cake and any number of candles which you wish to include for decorations. A tray of this kind will eliminate the wax drippings which usually collect when the candles are placed on top of the cake. The tray itself is made from  $\frac{3}{8}$ " plywood and the two handles are made in one strip with the aid of moulding cutters on the circular saw shown in Photo 3. The strip is then cut into two parts and fastened to the tray with glue and wood screws as shown in the drawing. Holes are drilled  $\frac{1}{4}$ " deep to fit your standard candles which you should buy first from your local store. The finish should be natural with two or three coats of white shellac. Finish with steelwool and then wax.





# IMPORTANT NOTICE

## *Your Subscription to the Deltaqram Expires With the Next Issue*

In former years when paper was plentiful we sent you a subscription blank during the summer so that you could subscribe to the Deltaqram beginning with the September-October issue.

This year we will not be able to send the subscription blank to you due to the lack of paper. This is your notice that your subscription expires with the next issue (unless you have a two-year subscription).

In the next issue, your last, you will find an order blank. Fill it in immediately, enclose your 50¢ and mail it to us. The subscriptions perhaps will have to be limited so hurry and get yours to us immediately.

We have some fine plans for next season — more "how-to-do-it" — better designs — more shop hints. It will be better than ever before — you won't want to miss it!

● **WATCH FOR YOUR ORDER BLANK IN THE NEXT ISSUE.**



# FLYING CHIPS

## Craftsheets Are O.K.

Chicago, Ill. — I want to take this opportunity of expressing my thoughts about your magazine, "The Deltaqram." It's the best little book on homecraft subjects. The plans, ideas, etc. are worth their weight in gold.

I would like to offer a few additional suggestions. How about showing pages on various jigs, some on assembling operations, etc. similar to the one on making wheels in Issue No. 2. These could later be added to your craftsheets binder.

R. F.

We plan on publishing additional pages of craft sheets from time to time in the Deltaqram.

## Drawer Construction

Augusta, Ga. — On some of your plans you have the notation "Use standard drawer construction." I do not know just exactly what this standard construction is, nor do I have a book on this subject. While I have any number of plans of yours and others, to an experienced woodworker your notation is all that is necessary, but as for me, I do not know what is good, bad or indifferent about drawer construction. I would like to know so that I may develop into an expert cabinetmaker.

Any information you can pass along this line will be greatly appreciated.

J. W. B.

On page 34 of our "Circular Saw Manual" and also pages 75 and 79 of the January, 1941 Deltaqram issue both show drawer construction.

## Need A Good Shop Plan

Minneapolis, Minn. — I've just received my first issue of the "Deltaqram." I am a subscriber to many of the other craft magazines published for the home craftsman plus two leading trade magazines in the woodworking field, but frankly, I've found your publication to be most useful because it contains more practical new ideas and methods than all the rest combined. I also have most of your other books. The Flying Chips page of the Deltaqram is very interesting.

I am a World War II veteran. My trade is wood-working. I would like to start a shop of my own, manufacturing toys and novelties for the present time, and when things are back again to normal I expect to build home building equipment like medicine cabinets, kitchen cabinets, etc.

I've worked in large mills on heavy equipment, and I also worked where they had only small machines—Delta, of course—. I was surprised to find that they actually out-performed the heavy equipment on many jobs, especially on short runs and change-overs. Since then I decided to get light equipment for my shop.

What I really would like to see on the Flying Chips page is that you publish specific information on the most practical size and layout of a small commercial woodworking shop for one to three men operation. I believe this idea would appeal to thousands of your readers.

E. R.

## Help On Log Cabins

Philadelphia, Pa. — I want to build a log cabin of pine logs cut from my twenty-three acre plot of timber land. I have been informed by my neighbor that if I do not treat the logs before building the cabin the logs will deteriorate in about three years.

Where can I obtain proper advice on preservation of logs and proper construction of log cabins?

R. M.

For preservation of logs for cabins write to U.S. Forest Products Laboratory, Madison 5, Wisconsin. Some good information on log cabin construction can be obtained from Agricultural Extension, University of Wisconsin, Madison, Wisconsin.

## Delta Cyclopedia

Fargo, North Dakota — Received the first Deltaqram that I have seen in four years because of being in the Army. I was glad to see one again and would like to make some comments if I may.

(1) Having missed all the projects the past four years, I was wondering if it would be possible to have in one book all the projects which appeared in the previous fourteen volumes of the Deltaqram, at a cost of from \$2.00 to \$4.00. This book to be similar to "Cyclopedia of Things to Make" published by Popular Science Magazine.

(2) Another good book would be a compiled edition of "Getting Most Out of Your Delta Tools." I think a book of this type would be better for a person having over four of your power tools, than one for each machine. Most people with power tools have hopes of adding more tools to their shop. I thought a book containing all the machines would induce them to buy more of your tools at a later date.

(3) After reading your article on "Tool Panels" in the Deltaqram I thought by having the drawers and doors made of five-ply panel and overlapping with rounded corners, would make a neater job, and more in harmony with the other rounded corners of the cabinets.

(4) Suggest showing more small shop layouts, with about four or five machines.

G. U. O.

## Two Design Pages

Dade City, Florida — I enjoy the Deltaqram very much, looking forward to receipt of each issue.

There is one thing I would like done if possible. In the back of each issue of your magazine instead of having only one page showing the cut-out designs, why not have two cuts included. My reason for this is that no doubt, like myself, most readers like to keep their Deltaqram complete. I do not like to tear out the last or back page. If there was an additional page it need not necessarily be on as heavy a paper and could be readily torn out. It would then leave the issue of the Deltaqram intact.

T. H. G.

## "Toys" Book Is Tops

Northville, N.Y. — The book on toys is a real find and will be a big help in our class work in getting toys ready for Christmas. The thing I like about the Deltaqram and all your other project books is not only the practical ideas, but the workable plans which so many other publications lack.

I have already made models of several of the war toys suggested. The jeep went over big in our class last spring. I do hope there will be plans for more such toys as the P.T. boats, aircraft carriers, etc.

Last spring we made a double size jeep which was used as a War Bond and Stamp incentive in the grades at school. The room turning in the greatest amount subscribed each week won the jeep for that week, the one winning the greatest number of weeks in a semester got to keep the jeep as their permanent possession. It was keenly contested and helped a good deal to stimulate the sale of stamps in each class room. I pass the idea along, someone else might want to do something similar.

I have the complete list of books, the finishing manual, and the loose-leaf binder with the craft sheets. I find all of them most useful and helpful.

J. S. M.

## What Can I Make

Chicago, Ill. — While I was in the navy during the last war I managed to pick up a beautiful piece of New Guinea ebony.

With your help, and possibly a few plans, I hope to make something useful out of this piece of rare wood. The size is one and one-half inches thick by four inches in diameter.

C. L. B.

Our book entitled "Novelties" has several projects which could be made from odd pieces of fancy woods.



# DESIGNS

*These are full size drawings which can be easily traced directly on the material to be cut. Paint the material with a flat coat of paint before drawing the design.*





*Build the*  
**SAILBOAT**  
**"PELICAN"**



**COMPLETE PLANS — FULL-SIZE RIB PATTERNS**

★ HERE are complete plans for a nifty little sailboat — "The Pelican." It is 11½ feet long with a 55-inch beam. The finished boat has a 60 square foot sail area. The boat is constructed of waterproof plywood. The drawing includes three large sheets containing full-size rib patterns, all of the necessary photographic steps in construction, and many detail drawings showing necessary dimensions. All of this is yours for only \$2.00, postpaid. Send for your complete plans today.

CATALOG No. 4643

*Only* **\$2.00**

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